**Index of Claims** 

Application/Control No.

10/795,966

Examiner

Gregory J. Strimbu

Applicant(s)/Patent under Reexamination

MARSHIK ET AL.

Art Unit

3634

| ✓ | Rejected |
|---|----------|
|   | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| 1 | Interference |

| A | Appeal   |
|---|----------|
| o | Objected |

|          |            |                 |                    |                 |            |   | Ш                  |            |       |          |                 |          |          | J            | Ш               |          |          |          |              |            |  | <u> </u>        |          |          |          |          |          |          |          |
|----------|------------|-----------------|--------------------|-----------------|------------|---|--------------------|------------|-------|----------|-----------------|----------|----------|--------------|-----------------|----------|----------|----------|--------------|------------|--|-----------------|----------|----------|----------|----------|----------|----------|----------|
| Cia      |            |                 |                    |                 | 1010       |   |                    | ¬ г        | Cla   | ina      | Γ               |          |          | <u> </u>     |                 | -        |          | $\neg$   | CI           | nim.       |  |                 |          |          | )oto     |          |          |          |          |
| Cla      | Claim Date |                 |                    | ┥┟              | Claim Date |   |                    |            |       |          |                 | Cla      | aim      |              |                 |          |          | ate      | <del>;</del> |            | -1   | _               |          |          |          |          |          |          |          |
| Final    | Original   | 4/26/06         |                    |                 |            |   |                    |            | Final | Original |                 |          |          |              |                 |          |          |          | Final        | Original   |  |                 |          |          |          |          |          |          |          |
|          | 1          | U               |                    | П               |            | 1   |                    | 1 1        |       | 51       | П               | $\top$   | 1        |              |                 |          |          |          |              | 101        |  |                 |          |          |          |          |          |          |          |
|          | 2          | П               |                    | П               |            |   |                    | 1 [        |       | 52       |                 |          |          | $\Box$       |                 |          |          |          |              | 102        |  |                 |          |          |          |          | $\Box$   |          |          |
|          | 3          |                 |                    |                 |            |   |                    | ] [        |       | 53       |                 |          |          | L            |                 |          |          |          |              | 103        |  |                 |          |          |          |          |          |          |          |
|          | 4          |                 |                    |                 |            | $oldsymbol{ol}}}}}}}}}}}}}}}}}$ |                    | ] [        |       | 54       |                 |          |          |              | Щ               |          | $\perp$  |          |              | 104        | L  |                 | _        |          |          |          |          | _        |          |
|          | 5          |                 | $\perp$            | $\sqcup$        |            | ┸   |                    | ] [        |       | 55       |                 |          |          |              |                 |          |          | _        |              | 105        | <u></u>  | Ш               |          | _        |          |          |          | _        |          |
|          | 6          | Ш               |                    |                 | _          |   |                    | <b>↓</b> ↓ |       | 56       | Ш               |          |          | $oxed{oxed}$ | Ш               |          |          | _        |              | 106        |  | Щ               | _        | _        |          |          | _        | _        | لــــا   |
| L        | 7          | Ш               | ļ                  | 11              |            | _   | $\bot$             | J          |       | 57       | Щ               | _        |          | <u> </u>     | Щ               | $\Box$   | _        |          | <u> </u>     | 107        |  |                 |          | _        |          | Щ        | _        | _        | لــــا   |
|          | 8          | Ш               | 1                  | 1_1             | _          | _   | 1                  | <b>↓</b> ↓ |       | 58       |                 | 4        | 4        | ┖            |                 |          | _        | _        | <u> </u>     | 108        |  | Н               | _        |          |          |          |          | _        |          |
|          | 9          | Ш               | —                  | $\vdash$        |            | +   |                    | 4 1        |       | 59       | Ш               | _        | - -      | ļ            | Н               | -        | 4        |          | -            | 109        | _  | Н               | -        | $\dashv$ |          |          | -        |          | _        |
|          | 10         | H               |                    | $\vdash$        | +          | +   | 1                  | 4 }        |       | 60       |                 | $\dashv$ | +-       | $\vdash$     | $\vdash \vdash$ |          |          | $\dashv$ | $\vdash$     | 110<br>111 | ├  | ⊢┤              | -        |          | -        | $\vdash$ | $\dashv$ | $\dashv$ |          |
| -        | 11<br>12   | H               | ┿                  | H               | +          | +   | ++                 | 4 F        |       | 61<br>62 | ⊢               | $\dashv$ | +        | $\vdash$     | $\vdash \vdash$ | $\vdash$ |          | $\dashv$ | -            | 112        | $\vdash$   | $\vdash \vdash$ | ᅱ        | $\dashv$ | $\dashv$ | Н        | $\dashv$ | -        |          |
|          | 13         | <b>┤</b>        | +                  | $\vdash \vdash$ | $\dashv$   | +-  | ++                 | - <br> -   |       | 63       | $\vdash \vdash$ | $\dashv$ | +-       | -            | $\vdash \vdash$ | $\vdash$ | $\dashv$ | $\dashv$ | $\vdash$     | 113        |  | $\vdash$        | $\dashv$ | -        | $\vdash$ | Н        | $\dashv$ | $\dashv$ | _        |
|          | 14         |                 | +                  | $\vdash$        | +          | +   |                    | ┨          |       | 64       | ┝╾┤             | -        | +        | $\vdash$     | -               | $\dashv$ | $\dashv$ | $\dashv$ |              | 114        | $\vdash$   | $\vdash \vdash$ | $\dashv$ |          |          | Н        | $\dashv$ | $\dashv$ | _        |
| $\vdash$ | 15         | -               | 1                  | $\vdash$        | +          | +-  | 1                  | ┦          |       | 65       | $\vdash$        | $\dashv$ | +        | T            | Н               | $\dashv$ | -+       | $\dashv$ | $\vdash$     | 115        | <del>                                     </del> | $\vdash \vdash$ | $\dashv$ |          |          | H        | $\dashv$ | $\dashv$ |          |
|          | 16         | $H^{+}$         | +                  | H               | $\dashv$   | +   |                    | ┥          |       | 66       | $\vdash$        | $\dashv$ | $\top$   | $\vdash$     | $\vdash$        | $\dashv$ | 十        | $\dashv$ |              | 116        |  | H               | $\neg$   |          |          |          | $\dashv$ |          |          |
|          | 17         |                 | 1                  | H               |            | $\top$  | TT                 | 7 t        |       | 67       | П               | $\top$   | +        | ┢            | П               |          | 寸        |          |              | 117        |  | Ħ               | T        | _        |          |          | 寸        |          |          |
|          | 18         |                 |                    |                 |            | 1   |                    | 7          |       | 68       |                 | T        |          | $\top$       |                 | $\neg$   |          |          |              | 118        |  |                 |          | $\neg$   |          |          | $\neg$   |          |          |
|          | 19         | V               |                    | П               |            |   |                    | 1          |       | 69       |                 |          |          | $\top$       |                 |          | T        |          |              | 119        |  | П               | コ        |          |          |          |          |          |          |
|          | 20         | 7               |                    | П               |            |   |                    | ] [        |       | 70       |                 |          |          |              |                 |          |          |          |              | 120        |  |                 |          |          |          |          |          |          |          |
|          | 21         | $\mathcal{V}$   |                    |                 |            |   |                    | ] [        |       | 71       |                 |          |          |              |                 |          |          |          |              | 121        |  |                 |          |          |          |          |          |          |          |
|          | 22         | ш               | $\perp$            | $\sqcup \bot$   |            |   |                    | ] [        |       | 72       | Ш               |          | $\perp$  |              |                 |          | _        |          |              | 122        |  |                 | _        | _        |          |          | _        | _        | _        |
|          | 23         | Ш               |                    | LI              |            |   |                    | IJ  .      |       | 73       | Ш               | _        |          | L            |                 |          | _        |          |              | 123        |  | Ш               | _        |          |          | Ш        | _        | _        | _        |
|          | 24         |                 |                    | ш               |            |   | $\sqcup$           | <b>↓</b> ↓ |       | 74       | <u> </u>        |          | <b>_</b> | <u> </u>     |                 |          |          | _        | <u> </u>     | 124        |  | Ш               | _        | _        |          | $\Box$   | _        | _        |          |
|          |            | Y               | 4                  | $\sqcup$        |            | _   | <del>     </del> - | 4 1        |       | 75       |                 | _        | _        | _            | Ш               | $\Box$   | _        | _        |              | 125        |  | Н               |          |          |          | -        | -        | _        |          |
|          | 26         | V               | +-                 | Н               | -          | -   | -                  | 4 1        |       | 76       | Н               | +        | +        | ⊢            | $\sqcup$        |          | $\dashv$ |          |              | 126        |  | Н               | $\dashv$ | -        | _        | _        | -        |          | _        |
|          | 27         | <u> </u>        | -                  | ⊢               |            |   | $\vdash$           | -          | -     | 77       | $\vdash$        | +        | +        | ╀            | Н               | $\dashv$ | -        | $\dashv$ | -            | 127<br>128 | _  | Н               | -        |          |          |          | -        | $\dashv$ | _        |
|          | 28<br>29   | <b>!</b>        | 1-                 | ₽₽              | -          | -   | -                  | <b>- </b>  |       | 78<br>79 | -               | -        | ┰        | ┼            | Н               | -        | -+       | -        |              | 129        | _  | Н               | $\dashv$ | $\dashv$ |          |          | $\dashv$ | $\dashv$ |          |
|          | 30         | <del> </del>    | +-                 | $\vdash$        | -          | +   | ╁                  | ┨╏         |       | 80       | ⊢               |          | +        | ╁            | Н               | $\dashv$ | -        | $\dashv$ | -            | 130        |  | $\vdash$        |          | 1        |          | $\vdash$ | $\dashv$ | $\dashv$ |          |
|          | 31         |                 | +                  | $\vdash$        |            |   | ╁─┼┈               | ┥┟         |       | 81       | H               | +        | +        | ╁╌           | Н               |          | -        | $\dashv$ | -            | 131        | -  | $\vdash$        |          | $\dashv$ |          | -        | -+       |          |          |
|          | 32         |                 | +                  | H               | $\dashv$   | +   | ++                 | ┨╏         |       | 82       | H               | $\dashv$ | -        | ╁            | Н               |          | $\dashv$ | $\dashv$ |              | 132        |  | ╌┤              |          | $\dashv$ |          |          | 一        |          |          |
|          | 33         | 1               | +                  | H               | _          | +   | H                  | 1 h        |       | 83       | H               | $\dashv$ | _        | ╁╌           | Н               | $\dashv$ | 十        | _        |              | 133        | t  | $\vdash$        | _        | $\neg$   |          | Н        | 一        | _        |          |
|          | 34         |                 | $\top$             | Н               | 十          | +   |                    | ┥          |       | 84       | $\vdash$        | $\dashv$ | +        | T            | H               | $\vdash$ | $\dashv$ | $\dashv$ |              | 134        |  | $\vdash$        | $\neg$   | $\dashv$ |          | П        | 一        | $\dashv$ |          |
|          | 35         |                 |                    |                 |            | 1   | $\vdash$           | 7          |       | 85       |                 | $\dashv$ | 1        | T            | $\Box$          |          | $\neg$   | $\neg$   |              | 135        |  |                 |          |          |          |          |          |          |          |
|          | 36         |                 | 1                  |                 |            | T   |                    | 7          |       | 86       | П               | _        |          | T            | П               |          |          |          |              | 136        |  |                 |          |          |          |          |          |          |          |
|          | 37         |                 |                    |                 | _t         |   |                    | ]          |       | 87       |                 |          |          |              |                 |          | J        |          |              | 137        |  |                 |          |          |          |          |          |          |          |
|          | 38         |                 |                    |                 |            |   |                    | ] [        |       | 88       |                 |          |          |              |                 |          |          |          |              | 138        |  |                 |          |          |          |          |          |          |          |
|          | 39         |                 |                    |                 |            |   |                    | ] [        |       | 89       |                 |          |          |              |                 |          |          |          |              | 139        |  |                 |          |          |          |          |          |          |          |
| L        | 40         | $\Box \Box$     | $oldsymbol{\perp}$ | П               |            | $\perp$   | $\Box$             | _  [       |       | 90       | Ш               |          | $\perp$  | $\perp$      | $\Box$          |          | 耳        | _]       |              | 140        |  | Ш               |          |          |          | Ш        |          |          | <u> </u> |
|          | 41         | $\Box$          | Щ.                 | Ц               | _ _        | 1   |                    | ↓ [        |       | 91       | Ш               | $\perp$  |          | $oxed{\Box}$ | Ш               | $\Box$   | [        | _        |              | 141        | <u>L</u>   | Ш               |          | _        |          | Щ        |          | _        |          |
|          | 42         | oxdot           | $\bot$             | $\sqcup$        |            | $\perp$   | $\perp \perp$      | 4          |       | 92       | Щ               | _        | _        | lacksquare   | Ш               | $\Box$   | _        | _        |              | 142        | <u> </u>   | $\sqcup$        | _        | _        |          | Щ        | _        | 4        | —        |
|          | 43         | $\vdash$        |                    | $\sqcup$        | +          | +   | $\vdash$           | 4          |       | 93       | Ш               | $\dashv$ | -        | ـ            | Ш               | $\sqcup$ | _        | $\dashv$ | _            | 143        | <u> </u>   | $\sqcup$        | _        |          |          |          | _        | _        | —        |
| $\vdash$ | 44         | ⊢-              | +                  |                 |            | +   | $\vdash$           | 4          |       | 94       | $\vdash$        | -        | +-       |              |                 | _        | _        | $\dashv$ | <u> </u>     | 144        | $\vdash$   | $\vdash$        |          | $\dashv$ |          | Н        | _        | _        | _        |
| -        | 45<br>46   | $\vdash \vdash$ | +                  | $\vdash$        | +          | +   | ++                 | 4 }        |       | 95       | $\vdash \vdash$ | +        | +-       | 1            | Н               | $\vdash$ | _        |          | -            | 145<br>146 | ├—   | ┝╌┤             |          | -        | $\vdash$ | Н        |          |          | _        |
| -        | 46         | $\vdash$        | +                  | $\vdash$        | +          | +   | ++                 | 4 F        |       | 96<br>97 | $\vdash \vdash$ | +        | +        | +            |                 |          | $\dashv$ | _        | <u> </u>     | 147        | $\vdash$   | $\vdash$        |          | $\dashv$ |          | $\vdash$ | -+       | $\dashv$ | _        |
| -        | 48         | $\vdash \vdash$ | +                  | $\vdash$        | +          | +   | ++                 | - <br> -   |       | 98       | $\vdash$        | +        | +        | ╁            | Н               | $\dashv$ | $\dashv$ | $\dashv$ | -            | 148        | -  |                 | $\dashv$ | -        | -        |          | $\dashv$ | -        | _        |
| $\vdash$ | 48         | ⊢-              | +                  | $\vdash$        | - -        | +   | +                  | 4 F        |       | 99       | ┝╾┤             | $\dashv$ |          | ╁            | Н               | -        | -        | $\dashv$ | -            | 149        | $\vdash$   | $\vdash \vdash$ | $\dashv$ | -        | -        | Н        | $\dashv$ | $\dashv$ |          |
| -        | 50         | ⊢-              | +-                 | $\vdash$        | +          | +-  | +                  | -          |       | 100      | $\vdash$        | +        | +-       | ┼            | Н               | $\vdash$ | $\dashv$ | $\dashv$ | -            | 150        |  | $\vdash \vdash$ | $\dashv$ | -        | -        | $\vdash$ | +        | $\dashv$ | _        |
| ш        | 50         | LL              |                    | Щ               |            | Щ.  | 4                  | ا ل        |       | 100      | ш               | i_       |          | 1            |                 |          |          |          |              | 100        | Ь  |                 | !        |          | Ш        | ш        | 1        |          |          |

| Cla        | aim  | Date     |  |              |  |              |          |  |              |                 |  |  |  |  |
|------------|--|----------|--|--------------|--|--------------|----------|--|--------------|-----------------|--|--|--|--|
| Final      | Original   |          |  |              |  |              |          |  |              |                 |  |  |  |  |
| щ          | Ö  |          |  |              |  |              |          |  |              |                 |  |  |  |  |
|            | 101  |          |  |              |  |              |          |  |              |                 |  |  |  |  |
|            | 102<br>103   |          |  | $oxed{oxed}$ |  |              | L        | _  |              | Ш               |  |  |  |  |
|            | 103  |          |  | _            |  | <u> </u>     |          |  |              | Ш               |  |  |  |  |
|            | 104<br>105   | _        |  | ļ            | L  | L            |          |  | _            | Н               |  |  |  |  |
|            | 105  |          | _  | H            | $\vdash$   | $\vdash$     | -        | <u> </u>   | $\vdash$     | Н               |  |  |  |  |
|            | 107  | -        |  | $\vdash$     | $\vdash$   | _            | -        | _  | _            | Н               |  |  |  |  |
|            | 107<br>108   |          | -  | -            |  |              |          |  |              | H               |  |  |  |  |
|            | 109  |          |  | $\vdash$     |  |              | -        |  |              |                 |  |  |  |  |
|            | 110  |          |  |              |  |              | _        | $\vdash$   |              | П               |  |  |  |  |
|            | 110<br>111   |          |  |              |  |              |          |  |              |                 |  |  |  |  |
|            | 112  |          |  |              |  |              |          |  |              |                 |  |  |  |  |
|            | 113  |          |  |              |  |              |          |  |              |                 |  |  |  |  |
|            | 113<br>114<br>115                                    |          | <u> </u>   | <u> </u>     | L  |              | _        |  | _            | Щ               |  |  |  |  |
|            | 115  |          | <u> </u>   | <u> </u>     |  |              | _        |  | <u> </u>     | Щ               |  |  |  |  |
|            | 116  | _        |  | L            |  |              |          |  |              | Н               |  |  |  |  |
|            | 117  |          | _  | $\vdash$     |  | _            |          | H  | -            | $\vdash$        |  |  |  |  |
|            | 118<br>119   |          | ├-   | -            |  |              | -        | -  | -            | Н               |  |  |  |  |
| <u> </u>   | 120  |          | ⊢  | ┢╌           |  | H            |          | <u> </u>   | -            | Н               |  |  |  |  |
|            | 121  |          | H  | -            | _  |              |          | $\vdash$   | -            | Н               |  |  |  |  |
|            | 122  |          |  | $\vdash$     |  |              |          |  |              | Н               |  |  |  |  |
|            | 123  |          |  |              |  |              |          |  |              | П               |  |  |  |  |
|            | 121<br>122<br>123<br>124<br>125<br>126<br>127<br>128 |          |  |              |  |              |          |  |              |                 |  |  |  |  |
|            | 125  |          |  |              |  |              |          |  |              |                 |  |  |  |  |
|            | 126  |          |  |              |  |              |          |  |              |                 |  |  |  |  |
|            | 127  |          |  | L            |  |              |          |  | _            |                 |  |  |  |  |
|            | 128  |          | _  | <u> </u>     | _  |              | <u> </u> | L.   | _            | Ш               |  |  |  |  |
|            | 129<br>130<br>131                                    | _        | _  |              |  | ļ            |          | <u> </u>   |              | $\vdash$        |  |  |  |  |
|            | 130  | <u> </u> |  |              | H  | <u> </u>     | <u> </u> | -  | <u> </u>     | Н               |  |  |  |  |
| <u> </u>   | 132  |          |  | -            | -  | ├            | H        | $\vdash$   | <del> </del> | $\vdash$        |  |  |  |  |
| $\vdash$   | 133  | $\vdash$ | ┝  |              | ┝  | ⊢            | $\vdash$ | $\vdash$   | $\vdash$     | Н               |  |  |  |  |
| <b></b> -  | 132<br>133<br>134                                    |          | <del>                                     </del> |              | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$   | $\vdash$     | H               |  |  |  |  |
|            | 135  |          |  | $\vdash$     | $\vdash$   |              |          |  | <u> </u>     | П               |  |  |  |  |
|            | 135<br>136   |          |  |              |  |              |          |  |              |                 |  |  |  |  |
|            | 137<br>138   |          |  |              |  |              |          |  |              |                 |  |  |  |  |
|            | 138  |          |  |              | <u> </u>   | L            |          |  | _            | Щ               |  |  |  |  |
|            | 139  | L_       | <u>L</u>   | <u> </u>     | $ldsymbol{ld}}}}}}$ | L            | <u> </u> | <u>L</u>   | <u> </u>     | Ш               |  |  |  |  |
| <u> </u>   | 140  | H        | _  |              | $\vdash$   | ⊢            | $\vdash$ | ⊢  | <u> </u>     | Щ               |  |  |  |  |
| ļ <u>.</u> | 141  |          | _  | $\vdash$     | $\vdash$   | $\vdash$     | ├-       | ├  | $\vdash$     | $\vdash$        |  |  |  |  |
|            | 142<br>143   | $\vdash$ | $\vdash$   | $\vdash$     | -  | ├-           | ⊢        | $\vdash$   | $\vdash$     | $\vdash \vdash$ |  |  |  |  |
| ├─         | 144  | $\vdash$ | $\vdash$   | $\vdash$     | -  | ├            | ⊢        | $\vdash$   | ⊢            | ${f H}$         |  |  |  |  |
| -          | 145  | H        | -  | -            | $\vdash$   | <del> </del> | $\vdash$ | $\vdash$   | $\vdash$     | $\vdash$        |  |  |  |  |
| <b>-</b>   | 146  | $\vdash$ |  | -            | $\vdash$   | Н            | $\vdash$ | <del>                                     </del> | H            | $\vdash$        |  |  |  |  |
|            | 147  | $\vdash$ | -  |              | $\vdash$   |              | H        | ┢  | T            | Н               |  |  |  |  |
|            | 148  |          | -  |              |  | Г            | T        | Г  | Г            | П               |  |  |  |  |
|            | 149  |          |  |              |  |              |          |  |              |                 |  |  |  |  |
|            | 150  |          |  |              |  |              |          |  |              |                 |  |  |  |  |